

Product datasheet for **AR31198PU-S**

Leukemia inhibitory factor Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Leukemia inhibitory factor mouse recombinant protein, 5 µg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	SPLPITPVNA TCAIRHPCHG NLMNQIKNQL AQLNGSANAL FISYYTAQGE PFPNNVEKLC APNMTDFPSF HGNGTEKTKL VELYRMVAYL SASLTNITRD QKVLNPTAVS LQVKLNATID VMRGLLSNVL CRLCNKYRVG HVDVPPVPDH SDKEAFQRKK LGCQLLGTYK QVISVVQAF
Predicted MW:	19.9 kDa
Purity:	>98% by SDS-PAGE and HPLC analysis
Buffer:	Presentation State: Purified State: Lyophilized (0.2µ Sterile filtered) purified protein with no Additives
Bioactivity:	Biological: Murine LIF is fully biologically active when compared to standards. The ED50 as determined by the M1 cell differentiation assay is ≤ 0.05 ng/ml, corresponding to a specific activity of ≥ 2 x 10 ⁷ units/mg.
Endotoxin:	< 0.1 ng per µg (1EU/µg)
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml. Centrifuge the vial before opening. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Preparation:	Lyophilized (0.2µ Sterile filtered) purified protein with no Additives
Protein Description:	Recombinant Mouse LIF is a 19.9 kDa protein containing 180 amino acids residues, including three disulfide bonds.
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001034626



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Locus ID:	16878
UniProt ID:	P09056 , F8WH42
Cytogenetics:	11 2.94 cM
Summary:	LIF has the capacity to induce terminal differentiation in leukemic cells. Its activities include the induction of hematopoietic differentiation in normal and myeloid leukemia cells, the induction of neuronal cell differentiation, and the stimulation of acute-phase protein synthesis in hepatocytes.[UniProtKB/Swiss-Prot Function]